

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| S1 | 17783 | (hsu OR macpherson OR skulason).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 07:40 |
| S2 | 6 | S1 AND ((poly ADJ pyrrole) OR (polypyrrole) OR (poly ADJ thiophene) OR (polythiophene)) AND (polymer\$3 NEAR3 acid) AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 07:50 |
| S3 | 3563 | dupont.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 07:50 |
| S4 | 0 | S3 AND ((poly ADJ pyrrole) OR (polypyrrole) OR (poly ADJ thiophene) OR (polythiophene)) AND (polymer\$3 NEAR3 acid) AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 07:51 |
| S5 | 831 | ((poly ADJ pyrrole) OR (polypyrrole) OR (poly ADJ thiophene) OR (polythiophene)) AND (polymer\$3 NEAR3 acid) AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:28 |
| S6 | 398 | ((poly ADJ pyrrole) OR (polypyrrole) OR (poly ADJ thiophene) OR (polythiophene)) AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) OR (polymer\$3 NEAR3 acrylic NEAR3 acid) OR (polymer\$3 NEAR3 phosphoric NEAR3 acid) OR (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 07:58 |
| S7 | 1 | ((poly ADJ pyrrole) OR (polypyrrole) OR (poly ADJ thiophene) OR (polythiophene)) AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) AND (polymer\$3 NEAR3 carboxylic NEAR3 acid) AND (polymer\$3 NEAR3 acrylic NEAR3 acid) AND (polymer\$3 NEAR3 phosphoric NEAR3 acid) AND (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 07:57 |
| S8 | 235 | ((polypyrrole) AND (polythiophene)) AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) OR (polymer\$3 NEAR3 acrylic NEAR3 acid) OR (polymer\$3 NEAR3 phosphoric NEAR3 acid) OR (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 07:59 |
| S9 | 201 | ((polypyrrole) AND (polythiophene)) AND polymer\$6 AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) OR (polymer\$3 NEAR3 acrylic NEAR3 acid) OR (polymer\$3 NEAR3 phosphoric NEAR3 acid) OR (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND presence AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 08:02 |
| S10 | 0 | ((polypyrrole) AND (polythiophene)) SAME polymer\$6 SAME ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) OR (polymer\$3 NEAR3 acrylic NEAR3 acid) OR (polymer\$3 NEAR3 phosphoric NEAR3 acid) OR (polymer\$3 NEAR3 phosphonic NEAR3 acid)) SAME presence SAME (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 08:01 |
| S11 | 0 | ((polypyrrole) OR (polythiophene)) SAME polymer\$6 SAME ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) OR (polymer\$3 NEAR3 acrylic NEAR3 acid) OR (polymer\$3 NEAR3 phosphoric NEAR3 acid) OR (polymer\$3 NEAR3 phosphonic NEAR3 acid)) SAME presence SAME (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 08:01 |
| S12 | 226 | ((polypyrrole) AND (polythiophene)) AND polymer\$6 AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) OR (polymer\$3 NEAR3 acrylic NEAR3 acid) OR (polymer\$3 NEAR3 phosphoric NEAR3 acid) OR (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND presence AND (glycol OR ether OR alcohol OR ketone OR nitrile OR sulfoxide OR amide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 08:02 |

| | | | | | | |
|-----|-------|--|---|----|-----|------------------|
| S13 | 146 | ((polypyrrole) AND (polythiophene)) AND polymer\$6 AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) AND (polymer\$3 NEAR3 acrylic NEAR3 acid) AND (polymer\$3 NEAR3 phosphoric NEAR3 acid) AND (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND presence AND (glycol OR ether OR alcohol OR ketone OR nitrile OR sulfoxide OR amide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 08:03 |
| S14 | 169 | ((polypyrrole) AND (polythiophene)) AND polymer\$6 AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) AND (polymer\$3 NEAR3 acrylic NEAR3 acid) AND (polymer\$3 NEAR3 phosphoric NEAR3 acid) AND (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND (glycol OR ether OR alcohol OR ketone OR nitrile OR sulfoxide OR amide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 08:03 |
| S15 | 4 | ((polypyrrole) AND (polythiophene)) AND polymer\$6 AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) AND (polymer\$3 NEAR3 acrylic NEAR3 acid) AND (polymer\$3 NEAR3 phosphoric NEAR3 acid) AND (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND (glycol AND ether AND alcohol AND ketone AND nitrile AND sulfoxide AND amide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:26 |
| S16 | 7 | ("5300575" "5403467" "5618469" "5766515" "5998014" "6083635" "6084040").PN. OR ("6692663").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/12 08:09 |
| S17 | 12 | ((("5300575") or ("4959430") or ("5247190") or ("5286413") or ("5300575") or ("5317169") or ("5378402") or ("5705888") or ("5986400") or ("5994496") or ("5002700") or ("5069820") or ("5160457"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/12 08:12 |
| S18 | 521 | (524/457).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/12 08:51 |
| S19 | 10543 | (524/445,492,495,500,501,555,723,726,730,745,808,812,817,820,827,829,850).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/12 09:10 |
| S20 | 14 | S19 AND ((poly ADJ pyrrole) OR (polypyrrole) OR (poly ADJ thiophene) OR (polythiophene)) AND (polymer\$3 NEAR3 acid) AND (organic NEAR3 (liquid OR solvent)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 09:04 |
| S21 | 4 | ((polypyrrole) AND (polythiophene)) AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) AND (polymer\$3 NEAR3 acrylic NEAR3 acid) AND (polymer\$3 NEAR3 phosphoric NEAR3 acid) AND (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND (glycol AND ether AND alcohol AND ketone AND nitrile AND sulfoxide AND amide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:27 |
| S22 | 0 | ((polypyrrole) AND (polythiophene)) AND ((polymer\$3 NEAR3 sulfonic NEAR3 acid) OR (polymer\$3 NEAR3 carboxylic NEAR3 acid) AND (polymer\$3 NEAR3 acrylic NEAR3 acid) AND (polymer\$3 NEAR3 phosphoric NEAR3 acid) AND (polymer\$3 NEAR3 phosphonic NEAR3 acid)) AND (solvent SAME (glycol AND ether AND alcohol AND ketone AND nitrile AND sulfoxide AND amide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:27 |
| S23 | 2 | S17 AND S5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/12 10:29 |
| S24 | 61 | ("4147550" "4731408" "4910645" "4959430" "4987042" "5035926").PN. OR ("5300575").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/12 10:35 |
| S25 | 2 | ("6692662").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/12 11:13 |
| S26 | 2 | (thiophene OR polythiophene) AND ((graphite ADJ fiber) AND (graphite ADJ particle) AND (carbon ADJ nanotube) AND (carbon ADJ nanoparticle) AND (metal ADJ nanowire) AND (organic ADJ conductive ADJ ink)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:09 |

| | | | | | | |
|-----|-----|---|---|----|----|------------------|
| S27 | 2 | (conductive NEAR3 polymer) AND ((graphite ADJ fiber) AND (graphite ADJ particle) AND (carbon ADJ nanotube) AND (carbon ADJ nanoparticle) AND (metal ADJ nanowire) AND (organic ADJ conductive ADJ Ink)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:28 |
| S28 | 2 | ((graphite ADJ fiber) AND (graphite ADJ particle) AND (carbon ADJ nanotube) AND (carbon ADJ nanoparticle) AND (metal ADJ nanowire) AND (organic ADJ conductive ADJ Ink)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:09 |
| S29 | 2 | (graphite ADJ fiber) AND (graphite ADJ particle) AND (carbon ADJ nanotube) AND (carbon ADJ nanoparticle) AND (metal ADJ nanowire) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:10 |
| S30 | 3 | (graphite ADJ fiber) AND (graphite ADJ particle) AND (carbon ADJ nanotube) AND (carbon ADJ nanoparticle) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:10 |
| S31 | 1 | S30 NOT S29 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:14 |
| S32 | 539 | nanoparticle AND (conductive NEAR3 polymer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:14 |
| S33 | 198 | nanoparticle AND (conductive NEAR3 polymer) AND (polypyrrole OR polythiophene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:14 |
| S34 | 98 | nanoparticle AND (conductive NEAR3 polymer) AND (polypyrrole AND polythiophene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:15 |
| S35 | 16 | (nanoparticle SAME (fibre OR fiber OR fibril)) AND (conductive NEAR3 polymer) AND (polypyrrole AND polythiophene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 09:27 |
| S36 | 37 | (polypyrrole) AND alkoxy AND alkanoyl AND aryloxy AND aryl AND amino | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 10:51 |
| S37 | 9 | (conductive NEAR3 polymer) AND (methylpyrrolidone AND (ethylene ADJ glycol) AND (dimethylacetamide) AND (dimethyl ADJ formamide) AND (dimethylsulfoxide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/13 11:29 |